

1.4: Graphs and Graphing Utilities

As graphing calculators are *not* required for this course, we will use Desmos:

[desmos.com/calculator](https://www.desmos.com/calculator)

Example. For a certain city, the cost C of obtaining drinking water with p percent impurities (by volume) is given by

$$C = \frac{120,000}{p} - 1200$$

The equation for C requires that $p \neq 0$, and because p is the percent impurities, we know $0 < p \leq 100$. Use the restriction on p and a graphing calculator to obtain an accurate graph of the equation.

